

SPEECH TRANSMISSION ADAPTOR FOR USE WITH A RESPIRATOR MASK

ABSTRACT OF THE INVENTION

5 A speech transmission adapter for use with a respirator mask. The respirator mask has an associated clean air source and defines a clean air envelope between the body of the respirator mask and the face of the wearer and is bounded by a sealing portion of the respirator mask, the clean air source, and an exhalation port. The speech transmission adapter comprises a peripheral housing, a speech reception device supported by the
10 peripheral housing, a speech transmitter coupled to the speech reception device, and a port defined in the peripheral structure for enabling the passage of air therethrough. The peripheral housing is adapted to mate to the respirator mask in a manner that expands the clean air envelope defined therein to include the speech reception means within the clean air envelope without requiring structural modification to the respirator mask.

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